**Command Line Format for CFAST Programs**

The format of the DOS command line for running all of the CFAST programs is similar to the one used for CFAST:

cfast <input file name> [<output file name>] [<options>]

where <input file name> is the name of the file to be used as input to the program, <output file name> is an optional parameter that specifies the name of the file for the text output of the program, and <options> specifies an optional series of command line options. Input and output files for the CFAST programs are as follows:

| Program | <input file name> | <output file name> |
|---|---|---|
| CEDIT | cfast simulation file (.DAT) | not used |
| CFAST | cfast simulation file (.DAT) | cfast output listing (.LST) |
| CPLOT | command script | not used |
| REPORT | cfast history file (.HI) | cfast output listing (.LST) |
| REPORTG | cfast simulation file (.DAT) | not used |
| REPORTSS | cfast history file (.HI) | cfast spreadsheet output (.CSV) |

Command line options for CFAST programs are specified by a leading character specifying an option field (/ on the PC and - on unix machines – PC format is shown below) followed by one of the following:

| | |
|---|---|
| /N | suppress program banner |
| /K | ignore keyboard input |
| /L | generate a log file detailing program operation for debugging and technical support |
| /P | pause on last graphics frame for CFAST and REPORTG |
| /G:<adapterid> | specify an alternate graphics adapter with the string <adapterid>, see below |
| /R:<reporting> | specify level of detail in text output for CFAST, see below<br>specify display time (in seconds) for each frame in REPORTG |

The graphics adapter id option is documented in Appendix E of the User's Guide for CFAST 1.6.

The reporting option specifies the level of detail provided in the cfast output listing for CFAST and REPORT. The option takes the format

/R:WINFSTP

where each of the letters W, I, N, F, S, T, P can be used in any combination desired should be included without intervening spaces. The information provided by each of the reporting options is as follows:

| | |
|---|---|
| W | **W**all and surface target fluxes and temperatures |
| I | **I**nitial conditions and simulation specifications |
| N | **N**ormal printout of compartment and fire environment |
| F | Vent **f**lows |
| S | Layer and surface **s**pecies concentrations |
| T | **T**enability measures for each compartment |
| P | Temperature **p**rofiles for surface material heat conduction |